

PATENT  
450100-04652

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

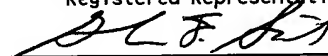
Applicants : Minoru KAWAHARA et al.  
Serial No. : 10/620,085  
Filed : July 15, 2003  
For : DATA PROCESSING APPARATUS AND DATA PROCESSING  
METHOD  
Art Unit : 2121

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Glenn F. Savit, Reg. No. 37,437

Name of Applicant, Assignee or  
Registered Representative

  
Signature

October 30, 2003

Date of Signature

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.97(b)

Commissioner for Patents  
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Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure set forth in  
37 C.F.R. 1.56, applicants are filing this Information Disclosure  
Statement and the accompanying form PTO-1449 along with copies of  
the prior art therein identified. Such prior art has recently  
come to the attention of applicants. So far as applicants are


aware, this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Please charge any fees incurred by the filing of this document or credit any overpayment to Deposit Account No. 50-0320.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicants

By:   
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Based on Form PTO-1449  
(3/90)

ATTY. DOCKET NO.  
450100-04652

SERIAL NO.  
10/620,085

LIST OF REFERENCES CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT  
Minoru KAWAHARA et al.

FILING DATE  
July 15, 2003

GROUP  
2121

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|----|-----------------|----------|-----------------|-------|----------|-------------------------------|
|                     | AA | 2002-0057894    | 05/16/02 | Ishige          |       |          |                               |
|                     | AB | 2003-0026592    | 02/06/03 | Kawahara et al. |       |          |                               |
|                     | AC |                 |          |                 |       |          |                               |
|                     | AD |                 |          |                 |       |          |                               |
|                     | AE |                 |          |                 |       |          |                               |
|                     | AF |                 |          |                 |       |          |                               |
|                     | AG |                 |          |                 |       |          |                               |
|                     | AH |                 |          |                 |       |          |                               |
|                     | AI |                 |          |                 |       |          |                               |
|                     | AJ |                 |          |                 |       |          |                               |
|                     | AK |                 |          |                 |       |          |                               |

FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |  |
|--|----|-----------------|----------|---------|-------|----------|-----------------------|--|
|  | AL | JP 11 88821     | 03/30/99 | Japan   |       |          | Abstract              |  |
|  | AM |                 |          |         |       |          |                       |  |
|  | AN |                 |          |         |       |          |                       |  |
|  | AO |                 |          |         |       |          |                       |  |
|  | AP |                 |          |         |       |          |                       |  |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |  |  |
|--|----|--|--|
|  | AQ |  |  |
|  | AR |  |  |
|  | AS |  |  |

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.